

# Successful Sustainability Outreach Efforts by Community Colleges

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# Kankakee Community College's “GreenScene”

*A successful community outreach sustainability publication*

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*Kankakee Community College*

# What is “GreenScene”?

- It is an insert for the Kankakee Daily Journal newspaper published 4 times per year
- Each issue focuses on a sustainability topic with the goal of raising public awareness
- It is created and edited by the KCC Sustainability coordinator
- So far 11 issues have been published



# How was the concept formed?

- The Kankakee Daily Journal was seeking ways to generate “non-traditional” advertising revenue
- A collaboration was established between KCC’s Sustainability Center and the Journal around Sustainability
- The Journal arranged for the advertisements and KCC selected topics and copy for issues



# Who sees the “GreenScene”?

- It reaches the 40K + Daily Journal subscribers in several Illinois counties as well as some areas of northwestern Indiana
- As part of the Journal’s “Newspaper in Education” program it reaches about 129 classrooms in area schools (1,600 papers)
- All issues can be viewed on the KCC website sustainability pages:  
(@[www.kcc.edu/sustainability/resources](http://www.kcc.edu/sustainability/resources))



# Featured Topics

- Council for Community Sustainability
- Geothermal Systems
- Sustainable Ag. /Local Foods / Farmer's Markets
- Weatherization
- Why Recycling is Important
- Local Foods and Community Gardens



# Featured Topics (continued)

- Water- An issue of Global/Local importance
- Energy Efficiency and Buildings
- Wind Power and Illinois
- Sustainable Landscaping
- Transportation Alternatives
- Next issue – topic to be determined - will be published 12/1/11





# THE GREENSCENE

Spring '11 publication

Issue #9

CREATING THE FUTURE FOR THE KANKAKEE RIVER VALLEY

Sponsored by Kankakee Community College, River Valley Recycling L.L.C., and Security Lumber Company.

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## Why Wind Power is important to Illinois

The Center for Renewable Energy at Illinois State University has conducted studies regarding the Economic Impact, the Illinois Wind Turbine Supply Chain, and the Public Beliefs and Opinions associated with wind power in the state. (websites for reports: [www.RenewableEnergy.isu.edu](http://www.RenewableEnergy.isu.edu))

As of April 2010, Illinois ranked 6th in the nation for existing wind-power capacity. Illinois was the site of more than half of the 539 megawatts of new generating capacity installed in the U.S. during the first quarter of 2010. By June 2010 there were 21 wind power projects in 14 Illinois counties online. The economic benefits cited in the report are: creation of 9,968 full-time equivalent jobs during construction (total payroll of over \$509 million) and support for approximately 494 permanent jobs (with a payroll of more than \$25 million) located in rural areas of the state. Additional benefits are \$18 million in annual property taxes for local economies and an estimated total economic benefit of \$3.2 billion over the 25-30 year project life.

The enormous growth of wind power in the state and the country has created the potential for significant economic growth for industries capable of manufacturing components needed in construction of wind turbines. The ISU study has indicated that nearly every industry represented in the wind turbine supply chain is already present in Illinois. This offers the state an opportunity to reap economic gains measured in jobs, income, and output by engaging in the production of wind turbine components. It is estimated that between 15-16,000 additional jobs could result if the wind turbine equipment predicted to be installed from 2011 to 2015 in Illinois was produced here. To achieve this goal, effective industrial recruitment/support programs targeting wind energy companies and their supply chain materials sources need to be developed and implemented in Illinois. The state will be competing with others and will need to offer incentives such as tax credits, business investment taxes, abatements or exemptions, and grants or low interest loans to encourage renewable energy industries to move to or expand operations in Illinois.

Increased utilization of renewable energy resources such as wind power is one way to reduce reliance on fossil fuels and their associated costs and reduce green house gas emissions. Many agree that installation of wind energy projects is more environmentally sound, but what's the general public belief regarding such installations? The ISU study on Public Beliefs and Opinions (June 2010) surveyed random samples in four areas of the state. The areas were: one with an operating wind farm, an area with a proposed wind farm, an area with wind resource potential but no proposed project, and one with limited potential for wind power generation. Attitudes were found to be similar in all four areas surveyed. More than 60% of the respondents supported wind farm developments as good for the environment, as job creators, and as positive rural economic developments. Wind farms were identified as the preferred means of expanding U.S. electrical power production. The population surveyed saw the absence of green house gas emissions and reduced dependence on foreign energy sources as the major positive attributes of wind energy projects. There was greater support for wind farms than for ethanol plants. Concerns expressed by those surveyed were reluctance to pay a premium (>5% increase) electric rate for "green power" from wind power sources, potential interference with telecommunications, and loss of production from farmland necessary to install the turbines.

## KCC's Wind Turbine

If all goes according to schedule, Kankakee Community College will have its own wind turbine up and running by the end of April 2011. Final details have been worked out and authorization has been given for the project to move forward. Midwest Underground Technology, Inc. (MUTI) of Champaign, Illinois, has been awarded the \$471,277 turnkey contract to deliver, assemble and erect a 50 kw rated E3120 wind turbine manufactured by Endurance Wind Power.

The most important aspect of this project is its value as a real world training site for KCC's growing renewable energy curriculum. The new system will allow hands on experience to Small-Wind Technology students in the operation, maintenance and safety practices and procedures associated with wind turbine systems. The students will receive training in routine service, troubleshooting, and repair procedures as well as safe climbing and rescue techniques. These are all valuable skills for those wishing to pursue careers in the wind energy field.

The wind turbine is a three-blade, horizontal axis, downwind design manufactured by Endurance Wind Power of Canada. The Wind Power Division of Arends Bros. LLC located in Ashmore, Illinois is the equipment distributor associated with the project. The turbine blades are of epoxy/fiberglass composition with a rotor diameter of 63 feet. The generating unit and control systems weighing 8,800 lbs. will be housed in a nacelle mounted on a 100 foot, free standing monopole. The power generated by the wind turbine will be fed directly into a transformer on campus to allow the power to supply a portion of the electrical needs of the college. It is estimated that KCC will save about \$14,000 a year on its electrical bills and reduce its carbon footprint by utilizing the renewable energy source. Funds from the Illinois Clean Energy Community Foundation and from the US Department of Education, Fund for Improvement for Post Secondary Education (FIPSE) make this project possible.



For sponsorship opportunities  
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Please contact: Rich Schultz at  
815.802-8243 or [rschultz@kcc.edu](mailto:rschultz@kcc.edu).

## FEATURED Business

### Midwest Underground Technology, Inc.

(MUTI) was founded in February 2000 specializing in horizontal directional boring. Soon after its inception, MUTI with its corporate office in Champaign, Illinois diversified by creating a telecommunications division which focused on construction and maintenance of communications towers.

Among other services provided are: a custom built web based tower inspection program, a fully licensed electrical division, warehousing and material control, generator fueling service, and transportation utilizing a custom built crane. The company relies on its seasoned, in-house crews to perform more than 90% of its services. The corporation's success has allowed creation of branch offices in Joliet, IL, and two located in Missouri at St. Louis and Lee's Summit. The company has over 100+ employees within the 7-10 state central U.S. region it primarily serves and has offered full turn-key installation of communication towers for wireless carriers, railroads, and utility companies for ten years.

# MUTI

MUTI began installing wind turbines in early 2008 and has recently dedicated an entire division of the company to the Wind Power industry. With creation of the new wind division, these same services are now available to entities wishing to develop wind power projects. MUTI has experience installing more than 30 wind turbines manufactured by companies such as Endurance Wind Power and Northern Power and ranging in size from 5kw to 100kw. Furthermore, MUTI is currently evaluating several projects including various turbine sizes in the megawatt range. The company has successfully fulfilled contracts with numerous federal, state and local agencies as well as small and major business entities such as Johnson Controls. The corporation is recognized for its professional, prompt service while performing quality work in a safe, efficient and economical manner. For more details about this company, go to [www.mutionline.com](http://www.mutionline.com).

MUTI was selected as the low bidder for a turn-key project to erect an E-3120, a 50kw rated wind turbine on a 100 foot monopole, on the campus of Kankakee Community College as part of the college's commitment to sustainability initiatives and renewable energy education.



Kankakee Community College



## Wind Power – Rabideau Grain & Lumber

To help control electrical energy costs, a local grain elevator business is harnessing the wind as a power source. Rabideau Grain & Lumber, Inc. has installed a 510 kw rated wind turbine at the company's site in Clifton, Illinois. The unit was purchased at an operating wind farm in Germany, which had decommissioned it and replaced it with a larger model. The turbine was transported by boat to Houston, off loaded and the one-piece tower was shipped directly to Clifton while the nacelle and blades were first sent to Wichita, Kansas for refurbishing. It was purchased in February 2009 and put into service in April 2010. All Steel Structures, Inc. of South-Holland performed the foundation installation and erection work. Erection of the unit was completed in a single day. The unit, manufactured by AN Bonus, is more than 114 feet at its hub and has an annual production capacity of 950,000 kwh. It is a completely automated system which tracks both wind direction and speed and includes safety features such as high wind speed shutdown, oil temperature monitoring, vibration sensors, bearing heat sensors, and auto disconnect in cases of grid power outages. The wind turbine's production and controls can be remotely monitored via a PC or even from an iPhone.

The power produced is used to offset some of the electrical needs of the elevator operations, which fluctuate with the seasons. Any excess power is sold to the electrical utility. Rabideau Grain & Lumber has offered students of KCC's renewable energy classes the opportunity to visit the site and gain first-hand knowledge about the system. Impressed with the enthusiasm and interest of the students and instructor, they are working with them on a plan to assist them in verifying the unit's power production, practice ascending the tower, and to gain other valuable real world operation and maintenance experience. This arrangement is a great example of cooperation between a local business and Kankakee Community College to provide relevant career training for its students.

## Wind Power – NSF Workshop at KCC Project RE-vamp Curriculum Sharing Clinic

Kankakee Community College's Renewable Energy Curriculum was showcased during a workshop held on campus Friday, February 18, 2011. The meeting was a National Science Foundation Advanced Technology Education Project workshop which attracted 47 participants from 6 Midwest states. The attendees were briefed by KCC's Professor Tim Wilhelm about the Renewable Energy track courses developed as a new option available to students seeking an Electrical Technology Associates of Science Degree from Kankakee Community College. The courses described were: Survey of Renewable Energy, Intro to Solar-Photovoltaic Technology, Intro to Solar-Thermal Technology, and Intro to Small-Wind Energy Technology. To supplement the discussion of the curricula, each participant received syllabi, review handouts, power points, and tests for each course. Practical advice was also provided regarding construction of lab training stations for use by students to gain real-world, hands-on experience working with the various renewable energy technology components. Funding for development of the new courses was provided by an NSF-Advanced Technology Education Project grant and purchase of the equipment needed to provide effective training was provided by grants from the Illinois Clean Energy Community Foundation and the U.S. Department of Education. Hosting the workshop to share the knowledge gained and lessons learned was one of the conditions of the NSF grant.

Wilhelm's curriculum presentation followed introductory remarks by Mark Wilkerson about the growing solar photo-voltaic market in the U.S. Wilkerson is national sales director for Solaria, a PV module manufacturer. Nick Hylia, training programs director for the Midwest Renewable Energy Association, presented an overview of that group's solar training program development efforts. The Midwest Solar Training Network is a five year, seven-state partnership to build solar training capacity in the Midwest. This effort is funded by the U.S. Department of Energy, KCC and its renewable energy programs have benefited from association with this training program.

The success of this workshop and national interest in the renewable energy curricula offered by Kankakee Community College demonstrate the college's commitment to its strategic goal to "grow sustainability initiatives as a local and regionally recognized feature of the college."

## Career Corner

### Tim Wilhelm – KCC's Renewable Energy Guru

Available space in this article does not allow for a full discussion of Professor Wilhelm's extensive credentials and experience regarding Renewable Energy systems. Suffice it to say that if it has anything to do with Solar-Thermal, Solar-Photovoltaic (PV), or small wind energy technology, Tim's mostly been there, done that. His formal education includes a B.S. Ed. (Cum Laude) in Physics from Kent State and Associates degrees from Kankakee Community College in both Electronics and Industrial/Electrical Technology. He's a Registered Professional Engineer in the state of Illinois, a certified Illinois EPA Class "A" public water supply operator, an "Authorized Instructor" for Wind Energy Safety at Height and Rescue, and a NABCEP certified Solar-PV Installer. He is the first and most long standing photovoltaic equipment dealer/installer for SunWize Technologies and has been hired by SunWize on multiple occasions to provide training for other dealers at dealer training conferences. He designed and supervised construction of the PV power system for the Stille Telephone Company which was the first solar-electric powered telephone exchange in the U.S.A. Later, a PV powered satellite link was added to provide internet service. Wilhelm was a major factor in the acquisition and installation of a 25 KW wind-powered generator to power Stille's water treatment plant. This was the first wind powered municipal utility in Illinois. One of his more exotic projects was in 2008 when he was contracted to inspect and repair the solar-PV power systems on Johnny Depp's private island in the Exumas Cay chain in the Bahamas.

Tim's been a full-time KCC faculty member teaching Electronics Technology and Industrial Electricity since 1986. In 2004, he assumed the role of Program Coordinator for KCC's Electrical Technology Program and has been instrumental in developing a renewable energy curriculum at KCC. Significant funds from the Illinois Clean Energy Community Foundation and a Federal Appropriation Grant have been awarded to KCC in recognition of the value of the new program. These funds have been used to develop the curriculum and purchase equipment to allow hands-on, real-world technology training for KCC students in the renewable energy field.

Professor Wilhelm has demonstrated the ability to effectively transfer his experience and knowledge to his students. Using stories, songs, humor, demonstrations, and hands-on exercises, he works hard to take his students to that "ah ha" moment. His definition of teaching is that it is: "a purposeful, performing art; a gratifying way to express your enthusiasm for your primary field of interest; fulfillment of a social obligation to pass on what you've learned to the next generation(s); and "one heckuva lot of fun!" He is indeed an asset to Kankakee Community College and a valuable source of knowledge for his students.



## SUSTAINABILITY EDUCATION OPPORTUNITIES

### Earth Day Awareness Fair – April 16, 10:00 a.m. – 2:00 p.m.

At the Exploration Station, Bradley, IL.  
Contact the Bradley – Bourbonnais Park District at 815.933.9905 for details.

**Rain Garden Workshop**, cosponsored by Kankakee Community College and the Kankakee Co. Extension of the U of Illinois, April 29, 2011 at the Extension office Call the Extension office at 815.933.6337 for more information.

**Earth Day Celebration – May 1, 2011**  
**Center for a Sustainable Community**, St. Louis, Illinois  
For more information go to: [www.centerforsustainablecommunity.org](http://www.centerforsustainablecommunity.org)

### 6-Day Hands-On Permaculture Intensive course:

**Learn permaculture by doing permaculture**  
May 22-26 at St. Louis, Illinois.  
For more information contact Midwest Permaculture  
[www.midwestpermaculture.com](http://www.midwestpermaculture.com)

## GREEN HAPPENINGS EVENTS

### AT KANKAKEE LIBRARY

Fourth Tuesday of every month: 6:30 – 8:30 p.m., 4th floor auditorium

#### March 22, 2011 – Urban Gardening

A broad view of possibilities and programs from urban ag and horticulture to container gardening will be presented by Master Gardener, Alex Panoszo and Stephen Baumann and Urban Ag advocate. Now is the time to begin your planning for the 2011 growing season.

#### April 26, 2011 – Sustainable Planning: Building Smart Communities

Designing sustainable communities by following the principles of LEED for Neighborhood Development (ND) will be explored. Reducing land consumption, traffic, resource waste, and pollution while enhancing livability by integrating smart growth, urbanism and green building concepts will be discussed by Tom Kapusta, President of TKA + Partners. Mr. Kapusta is an architect, planner, and designer who lives in Kankakee and has offices in Chicago as well as the City of Kankakee.

## Sustainability EXPO at Kankakee Community College

Wednesday, April 20, 2011 Noon – 6:00 p.m. Student Center and Atrium

This third annual expo of energy efficiency products and services and alternative energy technology is geared towards the residential and small business consumer. The 40+ exhibitors include utility company representatives, green product vendors and will feature the Mercury Solar Race car team from Illinois State University and their solar powered race car. The event is free and open to the public.

## Green Byte:

### If I want to use wind power for my home, what size do I need?

According to the US Dept. of Energy, the average home uses about 10,000 kilowatt hours of electricity per year, or about 830kwh a month. To supply this demand, would require a wind turbine in the 5 – 15 kilowatt range, depending on the average wind speed at the site, tower height and various other factors. The power produced by wind turbine systems is affected significantly by the average wind speed and the presence or absence of air turbulence resulting from ground obstructions such as trees or buildings. That's why in general, the higher the tower, the better as this creates more distance from any ground obstructions and places the turbine at greater elevation where average wind speeds are increased. Although average wind speeds in Kankakee County make wind power feasible, site requirements, economics, and zoning issues do not allow use of this renewable energy source to be practical everywhere. It is also important to remember that increasing your home's energy efficiency by installing weatherization improvements, more efficient lighting, and energy star rated appliances to decrease your energy demand should always be done first. This is always more cost effective and will reduce the amount of power needed whether from your local power utility or from a renewable source such as a wind turbine.

For more details about Small Wind Electric Systems go to: [www.windpoweringamerica.gov](http://www.windpoweringamerica.gov).



Kankakee Community College



# McHenry County College

## **McHenry County Official Green Guide '11**

*A community resource for recycling information and green products and services*

October 28, 2011  
*Pat Dieckhoff*  
*Sustainability Specialist*  
*McHenry County College*



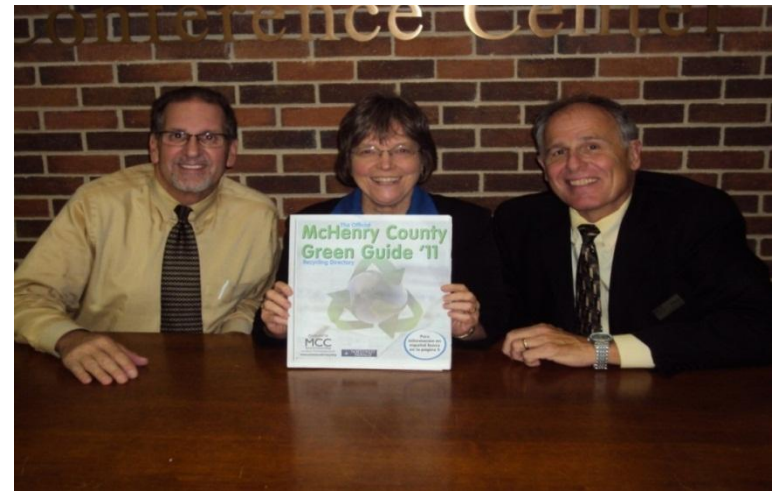
# McHenry County Green Guide '11

## Insert in *Northwest Herald* on April 29, 2011



# Background

- McHenry County Defenders compiled a *McHenry County Recycling Fact Sheet* in the 1970s.
- Lou Marchi Total Recycling Institute (LMTRI) at MCC published four editions of the *McHenry County Recycling Directory* in 1996, 1998, 2002 and 2004.
- MCC and the *Northwest Herald* partnered to publish the *Official McHenry County Green Guide* in 2008, 2009, 2010 and 2011.



# About the Green Guide '11

- 40-page compilation of recycling locations and green products and services available in the McHenry County area
- General information on municipal recycling programs and drop-off locations in English and Spanish
- Calendar of green events and up-to-date recycling news
- McHenry County waste/recycling information and regulations
- Listings for over 270 local businesses, plus listings for 20-25 agencies and nonprofits
- Local manufacturing listings include: 42 recycling companies plus five townships/highway departments, 12 manufacturing companies and eight green building materials and construction companies

# Green Guide '11 General Recycling Information (Spanish)

## La guía verde del condado de McHenry '11

### Lugares donde se puede dejar reciclaje en el Condado de McHenry

Lo siguiente es una lista de lugares donde se puede llevar cosas que no aceptan su municipalidad. Cada lugar acepta cosas distintas. Les llame antes de llevarlas. Sus cosas reciclables deben estar arreglados de ir al mercado! Todos los siguientes negocios arreglan cosas reciclables que les trae su municipalidad. Los negocios las separan, y las envían a otros negocios para rehacer a cosas nuevas.

**Aid Association for Lutherans Drop-off**  
En la iglesia Zion al lado de Jewel - 2206 W. Rt. 120 en McHenry  
Llame a Curtis Bremer  
(815) 385-2853

Aceptan papel de todos tipos, libros, latas de aluminio, pilas de plomo-ácido, cualquier cosa hecho de aluminio o acero inoxidable. No aceptan vidrio ni plástico. Se puede dejar cosas todas las horas del día o de la noche.

**Algonquin Township Road District**  
3702 US Hwy 14, Crystal Lake  
(847) 639-2700 ex.6  
www.algtwsp.com El último sábado de los meses marzo a octubre de 8 de la mañana hasta al mediodía. Aceptan pintura de aceite o latex, barniz, y pintura en arisol de residentes de Algonquin Township. Hay limite de 10 latas y 2 latas de tamaño de 5-galón por mes. Más latas cuestan \$5.00 cada una para reciclar. No hay limite

por arisol. Personas que no son de Algonquin Township pueden dejar pintura por \$5.00 por lata. Cualquier persona puede recibir pintura mezclada gratis en este lugar.

Solamente residentes de Algonquin Township pueden dejar las siguientes cosas. Verifican identificación.

Aceptan petróleo y filtros gastados, computadoras sin pantalla, pilas de barcos, motocicletas y carros.

No aceptan tijeretes del pasto ni hojas del árbol.

3 Sixty R & D  
2 Kennedy Drive, Harvard  
(815) 943-3730 www.3sixtyrdrn.org  
Aceptan cartón, cartón de cajas de cereal, papel, contenedores de comida y bebidas, (precio). Se aceptan ropa, metal, zapatos, petróleo gastado (sin precio).

### ¿Adónde van sus cosas reciclables?

Sus cosas reciclables deben estar arreglados antes de ir al mercado! Todos los siguientes negocios arreglan cosas reciclables que les trae su municipalidad. Los negocios las separan, y las envían a otros negocios para rehacer a cosas nuevas.

**Groot Industries Inc.**  
Elk Grove Village, IL (773) 569-3010

**One Source Materials Recovery Facility**  
Loves Park, IL (815) 654-0206

**Recycle America/Materials Recovery Facility parte de Waste Management**  
Grayslake, IL (847) 548-1755

**Resource Management/Materials Recovery Facility**  
Chicago Ridge, IL (708) 425-8565 llama a Greg Maxwell

Si tiene preguntas concerniendo los programas de reciclar, los números de teléfono de las Municipalidades se pueden encontrar en la página 3.

El petróleo usado contamina la tierra. Favor de dejarlo en los lugares sugeridos en la Guía Verde.

### Reciclaje es fácil

Primero, llame Ud. a su ciudad o pueblo para saber los materiales que aceptan en su programa de reciclar. Segundo, es necesario saber como se necesita preparar las cosas recicladas como los periódicos, las revistas, las latas, el vidrio, los cartones antes de que las vengan a recoger. Los números de teléfono de las municipalidades están en la página 3.

### Su municipalidad no puede reciclar

- Bolsas de plástico – llévelas a una tienda donde hay bote de colección.
  - Tapas de botellas de plástico
  - Cualquier cosa sucia
  - Vidrio de ventanas, cerámico o porcelana
- NO PONGA COSAS PARA EL RECI-CLAJE EN BOLSAS DE PLÁSTICA**

### La mayoría de las municipalidades aceptan:

#### Productos de papel

- periódicos
- revistas
- guías telefónicas
- cartón (aplastado y cortado en pedazos de 91 cm x 91 cm)
- cartón de cajas de cereal
- correo
- papel de oficina

#### Contenedores

- latas de aluminio
  - vasos y botellas de vidrio
  - latas de acero
  - botellas de plástico de leche, agua, soda y jabón de lavar
  - algunos aceptan cajas de jugo y leche
- llame a su municipalidad para asegurarse de lo que acepten

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# Example of Green Guide '11 Recycling Directory Listings Page

## THE OFFICIAL McHENRY COUNTY GREEN GUIDE '11 *Recycle What? Where?*

♦ For those that have multiple listings go to pages 37-38 for complete information. Phone first.

♦ **THE JUNK MAN - Huntley**  
(847) 347-1160 [peanu9916@msn.com](mailto:peanu9916@msn.com)

♦ **Lowe Enterprises**  
(847) 639-2775

♦ **Murco Recycling Enterprises, Inc.**  
(708) 352-4111 [www.murco.net](http://www.murco.net)

### COPIERS

♦ **Computer Recycling Center, LLC**  
(815) 455-6300  
[www.computerrecyclingcenter.net](http://www.computerrecyclingcenter.net)

### COPPER

See Metal, Non-ferrous.

### CORK (WINE BOTTLES)

Whole Foods Stores  
[www.wholefoodsmarket.com](http://www.wholefoodsmarket.com)  
Recycling at all stores through  
[www.corkreharvest.org](http://www.corkreharvest.org)

### CRAYONS

**Crazy Crayons LLC**  
(800) 561-0922 [www.crazycrayons.com](http://www.crazycrayons.com)  
Melts used crayons, makes new ones in a variety of shapes.

♦ **SCARCE - Crayon Rescue**  
(630) 545-971 [www.scarcecoedu.org](http://www.scarcecoedu.org)  
Rescue Programs - makes Super Crayons for disabled.

### DECONSTRUCTION AND ESTATE LIQUIDATIONS

♦ **1-800-GOT-JUNK?**  
[www.1800gotjunk.com](http://www.1800gotjunk.com)

♦ **Brothers Junk Removal and Deconstruction**  
(815) 355-1395  
[www.brothersjunkremoval.com](http://www.brothersjunkremoval.com)

**Demolition Sales**  
(847) 795-9139 [www.demolitionsales.com](http://www.demolitionsales.com)

♦ **Falcon Green Resources, Inc. & Waste & Recycling**  
(815) 334-8689 [www.sixtyrmd.org](http://www.sixtyrmd.org)

♦ **Fox Valley Disposal**  
(847) 639-1525

♦ **Habitat for Humanity - Lake County ReStore**  
(847) 249-3160 [www.habitatlc.org/restore](http://www.habitatlc.org/restore)

♦ **Habitat for Humanity - Elgin ReStore**  
(847) 742-9905 [www.restoreelgin.org](http://www.restoreelgin.org)

**Home of the Sparrow**  
(815) 271-5444 x 40 Mike  
Pick up available. [www.h-o-s.org](http://www.h-o-s.org)

♦ **THE JUNK MAN - Huntley**  
(847) 347-1160 [peanu9916@msn.com](mailto:peanu9916@msn.com)

♦ **Murco Recycling Enterprises Inc.**  
(708) 352-4111 [www.murco.net](http://www.murco.net)

### DEHUMIDIFIERS

♦ **Behr Woodstock**  
(815) 206-5511 [www.jbehr.com](http://www.jbehr.com)  
Need to remove freon.

**Thompson's Appliance**  
(815) 338-5611 Fee.

♦ **Wahl Appliance Center**  
(815) 385-1872 Fee.

### DEMOLITION DEBRIS

**Eagle Biomass, Inc.**  
(815) 344-8777 [www.eaglebiomass.com](http://www.eaglebiomass.com)

♦ **Lowe Enterprises Inc.**  
(847) 639-2775

♦ **Thelen Sand & Gravel**  
(847) 395-3313 [www.thelensg.com](http://www.thelensg.com)

### DIABETES TESTING KITS

**Crystal Lake Lions Club**  
[www.crystalakelions.org](http://www.crystalakelions.org)  
Check under Services for drop-off locations.  
Plus other Lions Club locations.

### DIGITAL CAMERAS

**Best Buy**  
Recycle at store locations. Trade-in service for many electronics at [www.bestbuytradein.com](http://www.bestbuytradein.com)  
Includes prepaid shipping label.

♦ **Computer Recycling Center**  
(815) 455-6300  
[www.computerrecyclingcenter.net](http://www.computerrecyclingcenter.net)

♦ **Alternative Community Training**  
(800) 359-4607 [www.actservices.org](http://www.actservices.org)

### DOCUMENT DESTRUCTION

♦ **AG Medical Systems - LITH**  
(800) 262-2344

♦ **Abraham's On-Site Shredding Service**  
(262) 877-8878  
[www.abrahamshredding.com](http://www.abrahamshredding.com)

♦ **Accurate Document Destruction**  
(800) 407-4733 [www.shredd.net](http://www.shredd.net)

**Alan Josephson Co., Inc.**  
101 E. Maple St., Mundelein, IL 60060  
(847) 949-0700 [www.ajcoinc.com](http://www.ajcoinc.com)

**Beaver Shredding, Inc.**  
PO Box 454, Willow Springs, IL 60480  
(866) 674-7323 [www.beavershred.com](http://www.beavershred.com)  
Mixed fiber. Document destruction onsite.

♦ **Freeport Recycling Center**  
(815) 232-2906  
[www.freeportrecyclingcenter.com](http://www.freeportrecyclingcenter.com)  
Mixed fibers and other materials.

**Iron Mountain**  
770 Larsen Lane, Bensenville, IL 60106  
(800) 934-3453 [www.ironmountain.com](http://www.ironmountain.com)  
Mixed fiber. Businesses only.

**Shred-Co**  
115 W. Lake Dr., Suite 200, Glendale Hts, IL  
(630) 633-9990 [www.shreddit.com](http://www.shreddit.com)  
Mixed fiber.

### DRAIN CLEANERS

See Household Hazardous Waste

### DVDS (SEE CDS)

### DVD PLAYERS

**Best Buy**  
[www.bestbuy.com/recycling](http://www.bestbuy.com/recycling)

♦ **Computer Recycling Center, LLC**  
(815) 455-6300  
[www.computerrecyclingcenter.net](http://www.computerrecyclingcenter.net)

### EGG CARTONS

Paper based egg cartons and Plastic #1 (PETE) egg cartons can be recycled in Municipal Curbside Programs.

### ELECTRIC MOTORS

See Motors, Electric.

### ELECTRICAL

**Blorkman Ace Hardware - McHenry**  
(815) 385-3660 [www.acehardware.com](http://www.acehardware.com)  
Fuses and circuit breakers.

### ELECTRONICS

**Sell used electronics at:**  
[www.buymyelectronics.com](http://www.buymyelectronics.com)  
[www.gazelle.com](http://www.gazelle.com)  
[www.YouRenew.com](http://www.YouRenew.com)

**Radio Shack**  
(800) 843-7422 [www.RadioShack.com](http://www.RadioShack.com)  
Check retail locations

♦ **1-800-GOT-JUNK?**  
[www.1800gotjunk.com](http://www.1800gotjunk.com)

♦ **Algonquin Township Road District**  
(847) 639-2700 X6 [www.alqtwp.sp.com](http://www.alqtwp.sp.com)  
Computers & computer components, printers/faxes/scanners, Monitors & TV's, DVD's/Stereo/VCR's, Video Game Consoles, PDAs/Cell phones, Phones, MP3s/iPods Monday through Friday (Except Holidays) 9 a.m. - 3 p.m.  
Algonquin Township residents only.

**Apple Computer**  
[www.apple.com/environment/recycling](http://www.apple.com/environment/recycling)

♦ **Alternative Community Training**  
(800) 359-4607 [www.actservices.org](http://www.actservices.org)  
Take ALL electronic media at no charge (pay postage only) Also accepts: data cartridges, zip disks, camcorder tapes.

### Assistive Technology Exchange

**Network**  
7550 West 183rd St., Tinley Park  
(800) 476-2836  
[www.ucpnet.org/donate-aten.php](http://www.ucpnet.org/donate-aten.php)  
United Cerebral Palsy Association will accept, for free, 486s, Pentium and Macs to refurbish and donate to schools throughout Illinois for children with disabilities.

♦ **Behr Woodstock**  
(815) 206-5511 [www.jbehr.com](http://www.jbehr.com)

**Best Buy**  
Algonquin (847) 458-5768  
Crystal Lake (815) 459-7874  
McHenry (815) 578-2039  
Recycle in stores.  
[www.bestbuy.com/recycling](http://www.bestbuy.com/recycling)

♦ **Computer Recycling Center, LLC**  
(815) 455-6300  
[www.computerrecyclingcenter.net](http://www.computerrecyclingcenter.net)  
Call to verify accepted items

♦ **Com2 Recycling Solutions**  
(630) 653-2662 [www.com2computer.com](http://www.com2computer.com)

♦ **Crystal Lake/Elgin Recycling Inc.**  
(815) 455-7700 or (847) 741-4100  
[www.elginrecycling.com](http://www.elginrecycling.com)  
Old computers, electronics and appliances. Fee for monitors.

**Dell Computer Recycling Program**  
(800) 915-3355  
[www.dell.com](http://www.dell.com)  
[www.reconnectpartnership.com](http://www.reconnectpartnership.com)

**eBay Rethink Electronic recycling program.**  
[www.ebay.rethink.com](http://www.ebay.rethink.com)



# Example of “Green Living” Section Listings Page

## Green Living Section *continued*

### BUILDING PRODUCTS

**\*AAA Glass Tint Inc.**  
(815) 355-0612 [www.aaglass.com](http://www.aaglass.com)  
Solar Gard window film for business and residential. EnergyStar partner.

**ARCHITECTURAL ROOF SOLUTIONS, LLC**  
(847) 544-9303 [www.roofslc.com](http://www.roofslc.com)  
Environmentally friendly roofing systems.

**Green Depot**  
(773) 384-7500 [www.greendepot.com](http://www.greendepot.com)  
Environmentally friendly and sustainable building products.

**Habitat for Humanity-Elgin ReStore**  
(847) 742-9905 [www.restoreelgin.org](http://www.restoreelgin.org)  
New and gently used construction and remodeling materials

### CARDS/GREETING CARDS

**St. Jude's Ranch for Children**  
(877) 977-7522 [www.stjudesranch.org](http://www.stjudesranch.org)  
Recycled greeting cards for all occasions.

### CHILDREN'S PRODUCTS

**Lovi Saves the Earth**  
(773) 655-4210 [www.lovisavestheearth.com](http://www.lovisavestheearth.com)  
Simple and inspiring children's book about a boy and his dog and how they help the earth

**Bluestream Environmental Education**  
(888) 468-4480 [www.naturalstinabox.com](http://www.naturalstinabox.com)  
Hands-on materials that help students learn about nature, habitats, and animals.

### CHRISTMAS TREES

**Ben's Christmas Tree Farms**  
(630) 279-0216 [www.benstreefarm.com](http://www.benstreefarm.com)  
Organically grown without use of pesticides.

**Pioneer Tree Farm**  
(815) 385-8512 [www.pioneerreefarm.com](http://www.pioneerreefarm.com)  
Trees grown without use of pesticides. Cut your own tree.

### CLEANING PRODUCTS

**Care 4 Earth Products Inc.**  
(888) 558-5786 [www.care4earthproducts.com](http://www.care4earthproducts.com)  
Natural non-toxic green cleaners.

**Earth Friendly Products**  
[www.ecos.com](http://www.ecos.com)

**\* Envirox**  
[www.h2orange2.com](http://www.h2orange2.com)

**Gaskell Healthy Solutions**  
(815) 385-2834 [www.gaskell.myshaklee.com](http://www.gaskell.myshaklee.com)  
Shaklee: green, safe, effective for over 50 years.

**Green Ideas**  
(815) 404-4742 [www.shaklee.net/greenideas](http://www.shaklee.net/greenideas)  
Environmentally safe, household cleaning products.

**Green Works**  
[www.doroxgreenworks.com](http://www.doroxgreenworks.com)

**Horvath-Independent Shaklee Distributor**  
(847) 525-2396 <http://horvath.myshaklee.com>  
Non-toxic, readily biodegradable cleaners for home and business.

**\* Rochester Midland**  
[www.rochestermidland.com](http://www.rochestermidland.com)  
**Seventh Generation**  
[www.seventhgeneration.com](http://www.seventhgeneration.com)  
Check local retail and health food stores.

### CLOTHES AND ACCESSORIES

**Bazura Bags**  
(705) 741-4733 [www.bazurabags.com](http://www.bazurabags.com)  
Eco-bags. Women's Co-operative in Philippines.

**Fish Face Goods**  
(815) 338-2919 [www.fishface.com](http://www.fishface.com)  
Organic and bamboo cotton tees printed with water-based inks.

**Funky Munky**  
(847) 458-6006 [www.shopfunkyfunky.com](http://www.shopfunkyfunky.com)  
Pants, bags, purses, belts, silk accessories, wallets, scarves and beads made from recycled materials, and recycled paper products. Organic clothing.

**g.r.a.s.s.**  
(800) 274-7946 [www.gra-ss.com](http://www.gra-ss.com)  
Green riding apparel for sustainability.

### RECYCLE ME

[www.recyclemeorganictees.com](http://www.recyclemeorganictees.com)  
100% organic cotton clothing, grown and sewn in the USA.

**Stella McCartney**  
[www.stellamccartney.com](http://www.stellamccartney.com)  
Organic line of women's fashions.

**Tradewinds Cove**  
(815) 455-2255  
Recycled silk scarves, backpacks from recycled materials and recycled paper products.

### COMPOSTERS

**Gardeners Supply, Inc.**  
[www.gardeners.com](http://www.gardeners.com)

**GREENCulture, Inc.**  
(877) 204-7336 [www.composters.com](http://www.composters.com)

**Habitat for Humanity-Elgin ReStore**  
(847) 742-9905 [www.restoreelgin.org](http://www.restoreelgin.org)

**Land Conservancy of McHenry County (seasonal)**  
(815) 337-9502 [www.conservevmc.org](http://www.conservevmc.org)

**Norseman Plastics Environmental Div.**  
[www.earthmachine.com](http://www.earthmachine.com)

**University of Illinois Cooperative Extension**  
<http://www.compostingcentral.illinois.edu/>  
Check local hardware stores.

### COMPUTERS

**Echelon Computers, Inc.**  
(815) 455-6200 [www.echeloncomputers.net](http://www.echeloncomputers.net)  
Sells refurbished and rebuilt servers, desktops, laptops and notebooks.

### COSMETICS

**Skin Deep**  
[www.cosmeticdatabase.com](http://www.cosmeticdatabase.com)  
Environmental Working Group safety guide to cosmetics and personal care products.

### CRAFTS-GREEN

**FaveCraft**  
[www.favecrafts.com/green-crafting](http://www.favecrafts.com/green-crafting)

### DRIVEWAY SEALANTS

**Green Driveway Sealants**  
Information at [www.lith.org/CoalTar.html](http://www.lith.org/CoalTar.html)  
Environmental problems with PAHS (polycyclic aromatic hydrocarbons) in Coal Tar.

### ENERGY PRODUCTS

**\* Advanced Geothermal Plumbing & Heating LLC**  
(847) 695-1657 [www.advancedgeothermal.com](http://www.advancedgeothermal.com)  
Geothermal heating systems & water saving plumbing systems.

**AVA Power**  
(312) 834-4282 [www.avapower.com](http://www.avapower.com)  
Small light weight wind turbines.

**Chicago Northwest Import & Export Inc.**  
(847) 850-0484 [bestdeal99@gmail.com](mailto:bestdeal99@gmail.com)  
[www.cnimimportexport.com](http://www.cnimimportexport.com)  
Green products, renewable energy and organic waste processing

**\* Consolidated Electrical Distributors**  
(815) 455-7020 [www.cedd.com](http://www.cedd.com)  
Energy efficient electrical and lighting products including LED Lighting, Occupancy Sensors, CFLs and more.

**Dorje Inc.**  
(800) 682-4950 [www.green-renewable-energy-solutions.com](http://www.green-renewable-energy-solutions.com)  
Renewable energy systems and energy efficiency products.

**\* EEBS Solarcrete**  
(815) 923-2553 [www.solarcrete2.com](http://www.solarcrete2.com)  
Energy efficient concrete building systems.

**\* LifeStyle Energy**  
(815) 337-9710 [www.lifestyleenergy.com](http://www.lifestyleenergy.com)  
Alternative and renewable energy saving products

**Solar Brite Ltd.**  
(815) 678-3112 [www.solarbrite.net](http://www.solarbrite.net)

### FLOWERS

See Native Plants

### GENERAL

**Green Box Boutique**  
(815) 337-7303 [www.greenboxboutique.com](http://www.greenboxboutique.com)  
Eco-friendly alternative store, promoting local first, fair trade, & responsible spending.

### ICE MELT – Environmentally Safe

**\* McHenry County Water Resources**  
(815) 334-4213 [www.mchenryh2o.com](http://www.mchenryh2o.com)  
Brochure on Winter Snow & Ice Removal.

# How the Green Guide '11 Partnership Works

- The Green Guide '11 (GG '11) is compiled and written by the Lou Marchi Total Recycling Institute (LMTRI) at MCC staff and advisory committee and the McHenry County Department of Health
- LMTRI staff and advisory committee solicit local businesses and organizations to advertise in the Green Guide to pay for the publication
- *Northwest Herald* staff assist in soliciting advertisements
- Friends of MCC Foundation handles the financial transactions
- *Northwest Herald* staff design and lay out the GG '11
- *Northwest Herald* prints the GG '11 and inserts it into newspaper
- LMTRI staff arrange volunteers to distribute extra copies of the GG '11

# Distribution

- Insert in the *Northwest Herald* on April 29, 2011 (+41,000 customers equaling over 120,000 readers)
- Volunteers from MCC staff and LMTRI Advisory Committee distributed 5,500 extra copies to individual requests, local libraries, schools, governmental agencies, local businesses and organizations
- Available online at [Lou Marchi Total Recycling Institute](#) webpage plus linked on many local municipal, county and organization websites
- Most GG'11 listings are also on the national recycling resource website, [Earth911](#)

# Spreading the Word About the Green Center

*Community outreach efforts in the LLCC district*

*Julie Bates  
Green Center Manager  
Lincoln Land Community College*



# A Multifaceted Approach

- Building community connections
- Advertising methods
- Using video
- Leveraging online media
- Publishing a newsletter



# Building Community Connections

## Types of Communication

- City newsletters
- Local environmental listservs, newsletters, and email blasts
- Displays at community events



## Community Partners

- CWLP Energy Services Office
- City of Springfield Waste & Recycling Division
- Sustainable Springfield
- Earth Springfield
- Springfield Area Local Food Task Force
- Illinois Stewardship Alliance
- University of Illinois Extension
- Green Business Network of Springfield
- And more!





# Advertising Methods

- Targeted advertising throughout the district, with assistance of LLCC's Public Relations & Marketing Department:
  - Television advertisements
  - Radio advertisements
  - Print and online ads for local publications (*State Journal-Register, Illinois Times, Springfield Business Journal*)

Renewable and sustainability IT ad\_Layout 1 4/24/11 10:29 AM Page 1

GREEN  
COURSES

## RENEWABLE ENERGY OPTIONS FOR HOMEOWNERS



Designed for homeowners, professionals, and trade persons who are seeking to gain a quick but thorough knowledge of various renewable energy options. Instructor Robert Croteau will help participants determine the appropriate types of systems to fit various situations.

Workshops are held Wednesdays from 6 to 9 p.m. in the Trutter Center at Lincoln Land Community College on the dates listed below. Cost is \$30 per workshop; students with a valid ID may attend for \$15 per workshop.

**May 4** Solar Thermal Collectors: Hot Air and Water

**May 18** Photovoltaics (Solar Electricity)

**June 1** Wind Energy

GREEN  
COURSES

## SUSTAINABILITY WORKSHOPS



**Use Less, Save More: The Secrets of Green Home Building and Remodeling**  
Thursday, April 28, 6-7:30 p.m.  
Trutter Center, LLCC campus  
Cost: \$20, includes refreshments and handouts.

Sponsored by LLCC and Springfield Area Home Builders Association.

**The Business Case for Sustainability**  
Friday, April 29, 11:30 a.m.-1:30 p.m.  
LLCC-Capital City Training Center,  
130 W. Mason, Springfield  
Cost: \$30, includes lunch  
Sponsored by LLCC and Green Business Network of Springfield.

For more information or to register, visit [www.llcc.edu/greencenter](http://www.llcc.edu/greencenter) or contact Julie Bates at [julie.bates@llcc.edu](mailto:julie.bates@llcc.edu) or 217.786.2434.





# Using Video

- YouTube videos about Green Center initiatives
- PBS television series on local foods



# Leveraging Online Media

- Green Center website:  
[www.llcc.edu/greencenter](http://www.llcc.edu/greencenter)
- LLCC Green blog:  
<http://llccgreencenter.blogspot.com/>
- Green Center at Lincoln Land Community College Facebook page
- Twitter: @LLCCgreencenter



# Leveraging Online Media



**@LLCCgreencenter** Springfield, IL  
*Offers green jobs training, promotes sustainability, and serves as a sustainability resource in the Springfield community.*  
<http://www.llcc.edu/greencenter>

+ Follow

Text follow LLCCgreencenter to your carrier's shortcode

Tweets

Favorites

Following

Followers

Lists

**LLCCgreencenter** Julie Bates  
Green Fair, Thursday, 10 a.m. to 2 p.m. at LLCC. Activities include local food tastings, mini workshops, and giveaways. [bit.ly/nERcql](http://bit.ly/nERcql)  
19 Oct

**LLCCgreencenter** Julie Bates  
Glass bottle recycling collection this Sat. at the State Fairgrounds. Details here: [bit.ly/qg4nJn](http://bit.ly/qg4nJn)



59  
like this

2  
talking about this

Create a Page

## Green Center at Lincoln Land Community College

Business Services · University · Springfield, Illinois

Like



Wall

Green Center at Lincoln L... · Everyone (Top Posts)

Share: Post

Write something...

**Green Center at Lincoln Land Community College**  
Don't forget to come out to Lincoln Land from 10 a.m. to 2 p.m. tomorrow for the Green Fair. We have all sorts of great activities planned, including local food tastings, mini green workshops, and giveaways. For more information: <http://www.llcc.edu/greencenter/GreenInitiatives/CommunityWorkshops/2011GreenFairCampusSustainabilityDay/tabid/6668/Default.aspx>

**2011 Green Fair & Campus Sustainability Day**  
[www.llcc.edu](http://www.llcc.edu)

The 2011 Green Fair will be held at Lincoln Land Community College from 10 a.m. to 2 p.m. on Oct. 20, 2011 in the Trutter Center.



# Publishing a Newsletter

- News articles on upcoming or recently completed events
- Listings of relevant workshops and courses offered through the Green Center, Community Learning and other campus departments
- Information on campus sustainability initiatives
- “Green” facts



# Questions?

Thank you!